



Datapoint 1560 Processor



DATAPOINT 1560 PROCESSOR



The Datapoint® 1560 Processor, the newest member of the 1500 series, is designed for use in data entry, data processing, word processing, electronic message service, and data communications applications in the small business or professional workstation environment. The basic processor consists of a Z80A microprocessor, 12K of system ROM, 64K of RAM (expandable to 128K), typewriter-style keyboard, video display screen, and a dual communications interface.

An enhancement to Datapoint's initial 1550 and compatible with the 1500 processor¹, the new 1560 supports Datapoint's DATABUS® business programming language, FORTRAN, and BASICPLUS. The 1560 can function either as a standalone system or as the host processor in a four-workstation DATASHARE® configuration and (optionally) even as part of an ARCNET™ local area network. The DOS.H ARCNET allows up to 255 processors to be linked together to form a local network. A 1560-based ARCNET can be part of a conjoined network that includes a complete Datapoint Resource Management System (RMS™) Attached Resource Computer® (ARC™) network.

The 1560 will function under Datapoint's Disk Operating System (DOS) or CP/M² software (optional). Word processing is available with Datapoint's Integrated Electronic Office™ (IEOS) software, as well as sending and receiving messages electronically with other Datapoint equipment under Datapoint's Electronic Message System. Multiplan³ is just one example of the many package programs available from Datapoint for use on the 1560. IBM mainframe communications and terminal emulation can be performed with Datapoint's EM3270 software package. SDLC communications discipline support with bit-oriented protocol compatibility is available with the Multifunction Communications option on the 1560.

The 1560 features a built-in communications interface that allows automatic call answering when attached to a user-supplied modem. The 1560 also includes several special features to enhance its versatility and performance. An amber screen is standard for maximum operator comfort. Inverse

video (dark characters on a light background) display capabilities may be used for highlighting and more dramatic operator prompting. Programmable function keys may be used for tab and cursor positioning or as conditions for program branching.

The 1560 concurrent job feature allows the processor to perform printing or communications tasks concurrent with processing. The Multifunction Communications option makes it possible to attach three workstations and a printer.

A wide variety of data storage devices and printers are available as peripherals for the 1560 processor.

The ARCNET capability of the 1560 is currently under development and is planned for availability in the second calendar quarter of 1983.

Functional Characteristics

Processor Type:
Z80A microprocessor

Memory Type: MOS

Memory Size:
12K system ROM
64 or 128K user RAM

Keyboard Type:
Standard Typewriter
(ASCII Alphanumeric)
55-Key Alphanumeric Group
11-Key Number Pad
10 Function Keys
Removable keyboard
(optional)

Display:
10 inch diagonal
(12" CRT)
Amber screen
80 columns by 24 lines
5 x 7 dot matrix characters
Magnetic Deflection
Refresh Rate:
60 or 50 times per second

Data Format:
Synchronous or
asynchronous, program
controlled and defined

Character Code:
Program defined

Mode:
Full or half duplex

Data Speeds:
50 to 9600 baud

Interface Specification:
RS-232C

Operation:
Under program control,
no manual adjustments

Cursor:
Fully positionable, non-
destructive

Physical Characteristics

Equipment Dimensions:

1560 Removable Keyboard
Height: 12.4 in.(31.5 cm)
Width: 20.0 in.(50.8 cm)
Depth: 22.7 in.(58.0 cm)
Weight: 54 lbs.(24.5 kg)

Power Requirements:

115 or 230 VAC, 50 or 60 Hz

Environment Temperature:

50 to 100 degrees F
(10 to 38 degrees C)

Humidity:

20 to 90%, noncondensing

Model Codes

1561 Application processor
with 64K user memory
and ARCNET interface

1562 Processor with 64K user
memory and one single-
sided, double-density
diskette, 1MB storage
module

1563 Processor with 64K user
memory and one double-
sided, double-density
diskette, 2MB storage
module

1565 Processor with 64K user
memory, 5MB 5.25" Win-
chester disk and 1MB
backup diskette drive

1566 Processor with 64K user
memory, 10MB 5.25"
Winchester disk and
1MB backup diskette
drive

0251 Additional 64K Memory
(optional)

0252 ARCNET Interface Board
(optional)

0253 Multifunction Com-
munications (optional)

5151 Removable Keyboard
(optional)

¹Existing 1500 and 1550 Processors can be field-upgraded to support the features of the enhanced 1560.

²CP/M is a registered trademark of Digital Research, Inc.

³Multiplan is a trademark of Microsoft, Inc.

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